

--Abstract

A hand-held riveting tool is driven by a battery-powered electric motor, and comprises a hydraulically-actuated riveting head, and a reciprocating hydraulic pump driven by the electric motor. The tool includes a reservoir for hydraulic fluid, the hydraulic supply line from the pump to the riveting head being connected to the reservoir by a reservoir inlet valve which is normally open to allow hydraulic fluid to flow from the supply line into the reservoir. Operation of the tool-actuating trigger firstly closes the reservoir inlet valve, and then switches on the electric motor to operate the pump. Release of the tool-actuating trigger firstly switches off the electric motor to stop operation of the pump, and then opens the reservoir inlet valve. When the reservoir inlet valve is closed by operation of the trigger, it acts as a pressure-relief valve to relieve over-pressure of hydraulic fluid.--

IN THE CLAIMS:

Please delete original Claims 1-11 and insert claims 12-20 as follows:

--12. A hand-held riveting tool driven by a battery-powered electric motor, comprising a hydraulically-actuated riveting head, and a hydraulic pump driven by the electric motor, whereby when the motor is operated it drives the hydraulic pump to actuate the riveting head, the tool including a tool-actuating device such as a trigger, and also including a reservoir for hydraulic fluid, the hydraulic supply line from the pump to the riveting head being connected to the reservoir by a reservoir inlet valve which is normally open to allow hydraulic fluid to flow from the supply line into the reservoir, in which the operation of the tool-actuating device firstly closes the reservoir inlet valve, and then switches on the electric motor to operate the pump.

13. A riveting tool as claimed in claim 12, in which release of the tool-actuating device firstly switches off the electric motor to stop operation of the pump, and then opens the reservoir inlet valve.

14. A riveting tool as claimed in claim 12, in which the reservoir inlet valve when closed by operation of the tool-actuating device as aforesaid also acts as a pressure-relief valve to relieve over-pressure of hydraulic fluid.

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15. A riveting tool as claimed in claim 14, in which the reservoir inlet valve is urged closed by a first spring with a first predetermined force and is urged open by a second spring with a second predetermined force, operation of the tool-actuating device removing the action of the second predetermined force, whereby the valve is thereafter held closed by the first predetermined force regardless of sustained operation of the tool-actuating device, thereby to provide a predetermined pressure at which the valve acts as a pressure relief valve as aforesaid.

16. A riveting tool as claimed in claim 12, in which the riveting head is adapted to place blind breakstem rivets.

17. A riveting tool as claimed in claim 12, in which after the motor has been operated to actuate the riveting head as aforesaid and is then switched off, the riveting head is returned to its initial position by means independent of the head actuating means.

18. A riveting tool as claimed in claim 17, in which the head is returned to its initial position by means of a spring.

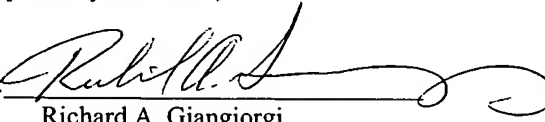
19. A riveting tool as claimed in claim 12, in which the electric motor, in use, rotates in only one direction.

20. A riveting tool as claimed in claim 12, in which the hydraulic pump is a reciprocating pump.--

REMARKS

The above-indicated claims replace the originally filed claims. Additionally, an Abstract has been provided.

Respectfully submitted,

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Dated: March 28, 2002